



# **State of the Nation: K-12 E-Learning in Canada**

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October 2008

A Snapshot  
State of the Nation Study:  
K-12 Online Learning in Canada



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2014 Abbreviated Edition

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Open School BC

# Canadian eLearning Network

<http://CANeLearn.net>



# Canadian eLearning Network

- CANeLearn is a pan-Canadian network of K12 online and blended learning schools and organizations
- Focus is on sharing resources, PD, research
- Intent is to leverage collective to promote online and blended learning opportunities
- <http://CANeLearn.net>

# Mission

CANeLearn's mission is to provide leadership that champions student success in online and blended learning and provides members with networking, collaboration, and research opportunities.

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2015 Abbreviated Edition

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Manitoba  
First Nations Education  
Resource Centre Inc.

ONLINE SCHOOL

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NELSON  
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<http://canelearn.net/state-of-the-nation-k-12-online-learning-in-canada/>

# Manitoba First Nations Education Resource Centre Inc.



# K-12 E-Learning in Canada

- Seven years...

## *State of the Nation: K-12 Online Learning in Canada*

- online and distance education, some attention to blended learning
- “a state approved and/or regionally accredited school offering secondary courses through distance learning methods that include Internet-based delivery.” (Clark, 2000, p. 1)
- US: *Keeping Pace with K–12 Online Learning* report

# K-12 E-Learning in Canada

- United States
  - *Keeping Pace with K–12 Online and Blended Learning, then Keeping Pace with K–12 Digital Learning*
  - “Virtual School Symposium” became “iNACOL Symposium on Online and Blended Learning”
- Canada
  - 2009: Canadian Council for Learning’s *State of E-Learning in Canada* report
  - 2014: Canadian eLearning Network

# K-12 E-Learning in Canada

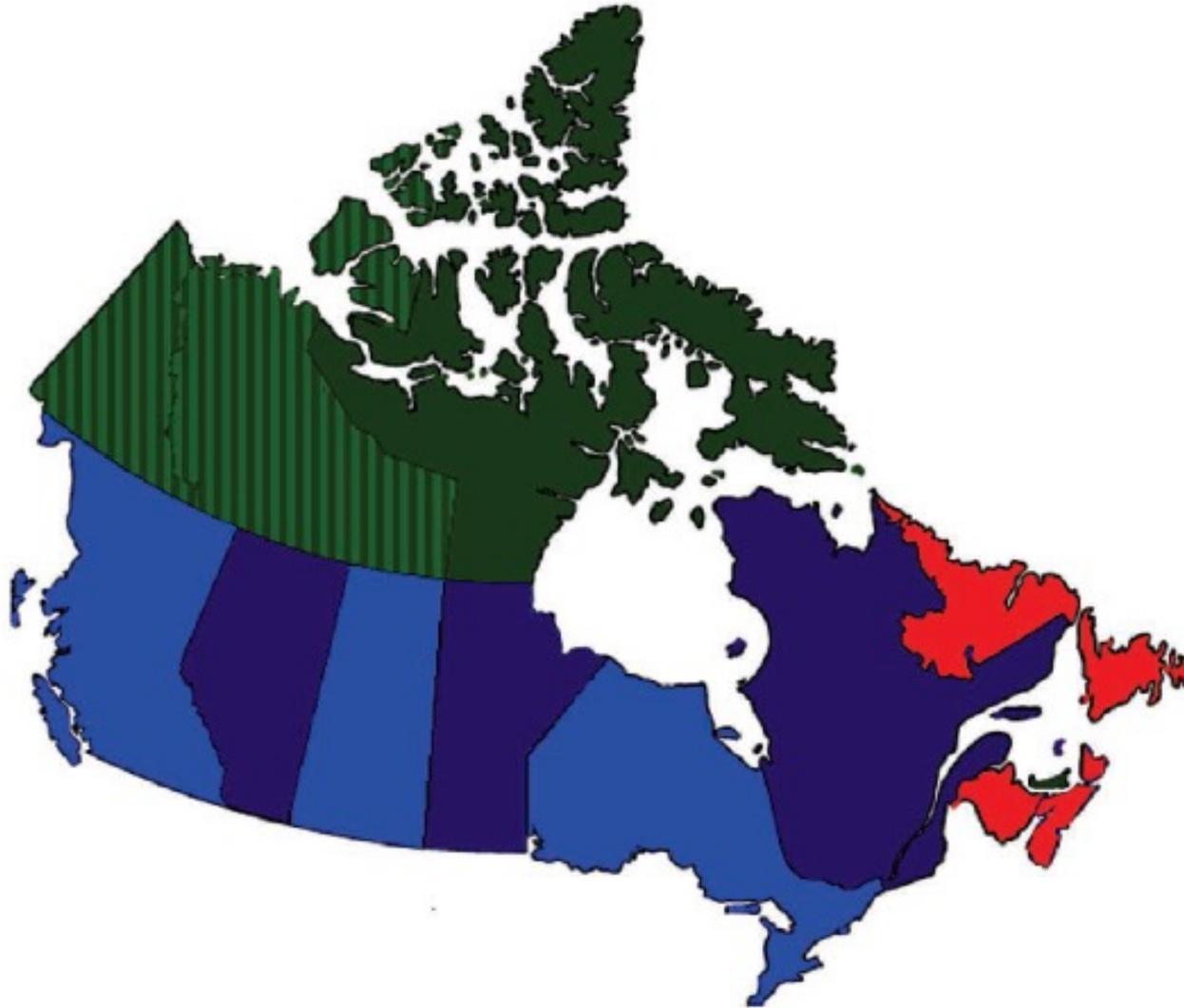
“The application of computer technologies to education. E-learning can take many forms, whether it is used face-to-face in classrooms, as a required part of classroom activities or course work (e.g., online discussions), or to deliver a course fully online. E-learning can include distance education as well as traditional in-class instruction.” (Canadian Council for Learning, 2009, p. 4)

# Methodology

Jurisdiction	2008	2009	2010	2011	2012	2013	2014	2015
NL	KS / DA	MoE / DA	DA	MoE	DA	MoE / DA	MoE / DA	MOE
NS	DA	MoE / DA	MoE / DA	MoE / DA	MoE / DA	MoE	MoE	MOE
PE	DA	KS / DA	MoE	MoE	MoE	MoE	MoE	MOE
NB	DA	MoE / DA	MoE	MoE / DA	MoE	MoE	MoE	MOE
QC	KS	KS / DA	MoE / KS	MoE / KS	MoE / KS	MoE / KS	MoE	MOE
ON	KS / DA	KS / DA	KS / DA	MoE / DA	MoE / DA	MoE / KS	MoE / KS	KS / DA
MB	KS	MoE / DA	MoE	MoE	MoE	MoE	MoE	MOE
SK	KS / DA	MoE	MoE	MoE / KS	MoE / KS	MoE / KS	MoE	MOE
AB	DA	KS / DA	KS / DA	MoE	MoE / DA	MoE / DA	MoE / KS	MOE
BC	MoE / DA	MoE / DA	MoE	MoE	MoE	MoE	MoE	MOE
YT	DA	KS / DA	MoE / DA	MoE	MoE	MoE	MoE	MOE
NT	DA	MoE / DA	DA	MoE	MoE	MoE	MoE	MOE
NU	DA	MoE	MoE	MoE	MoE	MoE	MoE / KS	MOE / KS
Federal	-	-	-	-	-	AANDC / KS / DA	AANDC / KS	INAC / KS

MoE – Ministry of Education, KS – Key stakeholders, DA – Document analysis, AANDC – Aboriginal Affairs & Northern Development Canada/INAC – Indigenous and Northern Affairs Canada

# National Overview - Activity



Single provincial program

Primarily district-based programs

Combination of provincial and district-based programs

Use online learning programs from other provinces

# National Overview - Activity

Province/Territory	# of K-12 students	# enrolled in distance education	Percent involvement
NL	67,293	947	1.4%
NS	119,383	~2,300	1.9%
PE	20,131	44	<0.1%
NB	98,906	~2455	2.4%
QC	1,132,506	~43,736	3.9%
ON	2,003,253	~87,000	4.3%
MB	182,073	~9,500	5.2%
SK	175,202	~15,000	8.6%
AB	616,375	~75,000	11.4%
BC	633,428	78,499	12.4%
YT	5,122	421	8.2%
NT	8,204	150	1.8%
NU	9,728	96	1.0%
Federal	106,500	~2,000	1.9%
<i>Total</i>	<i>5,178,104</i>	<i>317,148</i>	<i>6.1%</i>

# National Overview - Activity

	2013-14		2014-15	
Province/Territory	# enrolled in distance education	Percent involvement	# enrolled in distance education	Percent involvement
NL	884	1.3%	947	1.4%
NS	~2,720	2.2%	~2,300	1.9%
PE	108	0.5%	44	<0.1%
NB	2615	2.6%	~2455	2.4%
QC	~70,500	5.4%	~43,736	3.9%
ON	78,095	3.9%	~87,000	4.3%
MB	~12,000	6.0%	~9,500	5.2%
SK	~10,000 <sup>1</sup>	5.8%	~15,000	8.6%
AB	~75,000	12.2%	~75,000	11.4%
BC	77,912	12.3%	78,499	12.4%
YT	182	3.5%	421	8.2%
NT	228	2.8%	150	1.8%
NU	33	<0.1%	96	1.0%
Federal	~1,800	0.1%	~2,000	1.9%
<i>Total</i>	<i>332,077</i>	<i>6.2%</i>	<i>317,148</i>	<i>6.1%</i>

# National Overview - Activity

Year	# of distance education students	% of students engaged in distance education
1999-2000	~25,000	0.5%
2008-09	~140,000	2.7%
2009-10	150,000-175,000	2.9%-3.4%
2010-11	207,096	4.2%
2011-12	245,252	4.9%
2012-13	284,963	5.2%
2013-14	290,185 <sup>1</sup>	5.4%
2014-15	317,148	6.1%

<sup>1</sup> Revised based on feedback from the *Ministère de l'Éducation, du Loisir et du Sport*

# Newfoundland and Labrador



- No change in the number or type of programs
  - single province-wide online program
- Slight increase in level of participation
- No change in nature of regulation
  - no specific policies

# Nova Scotia



- No change in the number or type of programs
  - single province-wide online program
- Decrease in level of distance/online participation
  - Significant increase in blended learning
- No change in nature of regulation
  - provisions included in the agreement between the Government & teachers union

# Prince Edward Island



- No change in the number or type of programs
  - utilizes program in NB
- 50% decrease in level of participation
- No change in nature of regulation
  - two Ministerial directives (outdated with no programs)

# New Brunswick



- No change in the number or type of programs
  - single province-wide online program (English/French)
- Slight decrease in level of participation
  - consistent level of participation in blended learning
- No change in nature of regulation
  - Ministerial handbook

# Quebec



- No change in the number or type of programs
  - several programs that partner with districts
- Slight increase in level of participation
- No change in nature of regulation
  - no specific policies

# Ontario



- No discernable change in the number or type of programs
  - district-based and private online program
- Slight increase in level of participation
  - increase in the area of blended learning
- No change in nature of regulation
  - *Provincial E-Learning Strategy*

# Manitoba



- No change in the number or type of programs
  - Ministerial manages two forms/district manages web-based
  - continuing provincial pilot program
- Decrease in level of participation
- No change in nature of regulation
  - Ministerial approval and regulation

# Saskatchewan



- No change in the number or type of programs
  - multiple district-based online program
  - Saskatchewan Distance Learning Course Repository
- Estimate 50% increase in level of participation
- No change in nature of regulation
  - no specific policies

# Alberta



- No discernable change in the number or type of programs
  - multiple district-based, private & province-wide online programs
- Consistent level of participation
- No change in nature of regulation
  - no specific policies

# British Columbia



- No discernable change in the number or type of programs
  - multiple district-based & private
- Consistent level of participation
- No change in nature of regulation
  - provisions in the *Schools Act* and *Independent Schools Act*

# Yukon



- No change in the number or type of programs
  - single territory-wide online program, use of southern provincial programs
- Significant increase in level of participation
  - specifically in the area of blended learning (territorial pilot)
- No change in nature of regulation
  - by Ministry or through inter-provincial agreements

# Northwest Territories



- No change in the number or type of programs
  - single territory-wide online pilot, use of southern provincial programs
- Slight decrease in level of participation
- No change in nature of regulation
  - by Ministry or through inter-provincial agreements

# Nunavut



- No change in the number or type of programs
  - use of southern provincial programs
- Increase in level of participation
- No change in nature of regulation
  - by Ministry or through inter-provincial agreements

# Federal Programs



- Sporadic programs
  - two in Ontario (Keewaytinook Internet High School and Gai hon nya ni: the Amos Key Jr. E~Learning Institute), one in Manitoba (Wapaskwa Virtual Collegiate), and one in Alberta (SCcyber E-learning Community)
  - Credenda Virtual High School (Saskatchewan) ceased operations following the 2012-13 school year due to a lack of funding
- No longer enter into service agreements directly with e-learning programs

# Federal Programs



- No change in the number or type of programs
  - two in Ontario, one in Manitoba, and one in Alberta
- Consistent level of participation
- No change in nature of regulation
  - no longer enter into service agreements directly with e-learning programs

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# iNACOL Innovative Blended and Online Learning Practice Award Recipients -> 2012, 2013, 2014, 2015



**QC -> AB -> BC -> ON**

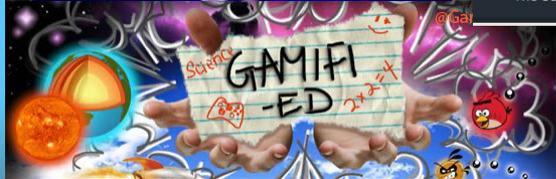
# Innovation in Canada - Alberta

Welcome to #DigiFoot12



oclmooc

The Connectivist MOOC for Alberta Educators... & other interested trainers, teachers & learners



mozilla  
OpenBadges

Moodle Hub ACCOUNT About Members area

**Open educational resources (OER)** are freely accessible, **openly licensed** documents and media that are useful for teaching, learning, and assessing as well as for research purposes. Although some people consider the use of an **open file format** to be an essential characteristic of OER, this is not a universally

**The Vision of an Educated Albertan:**

An Engaged Thinker and Ethical Citizen with an Entrepreneurial Spirit

## Alberta Moodle Summit

Google Apps for Education

**PACI**  
Prototyping Alberta Curricula  
**E<sup>3</sup>**  
Engaged Thinkers  
Ethical Citizens with an  
Entrepreneurial Spirit



Alberta's High School Completion  
STRATEGIC FRAMEWORK  
High school completion is everybody's business

# Province Overview

- Many home schooled
- *Inspiring Education* created an innovation vision
- Shift from correspondence to blended using technology
- Driven by improving engagement and results
- Video conferencing provincial initiative (SuperNet)
- Shifting to web conferencing as well
- More f2f and sync options both onsite and online
- Google use (own servers – drive, docs, hangouts, classroom)
- Curriculum redesign and High School Flex
- Moodle user group
- Emerging blendED group <http://www.blendedalberta.ca/>

# British Columbia



- 35,000 educators
- 600,000 students
- 60 public DL schools
- Courses provided to Yukon (follow BC curriculum)
- 16 independent DL schools
- Online Choice:  
Open boundaries

# Completion Rate for Public School Students – DL

- (For students who take at least one DL course)

School Year	Students taking 1 or more DL Course	Students not taking DL Course
	%	%
2009-10	80.9%	88.3%
2010-11	85.0%	86.6%
2011-12	86.5%	85.0%
2012-13	89.8%	85.3%

# Innovation in Canada - BC

**E.N.T.E.R.**

eCademy of New Technology, Engineering and Robotics

navigate  
powered by NDS



Celebrations of #SoMeSummit

183 views 11 months ago

#SoMeSummit was a 3 day student-led conference that invited students, parents, teachers and administrators to co-construct our digital futures in #SD23. November 27, 28, 29 2013 Kelowna, BC, Canada.



**The Inquiry Hub**

## Immersive Technologies

Your typewriter is gone, along with the 20th Century passive 2D learning. Now, through virtual technologies provided by platforms such as Quest Atlantis, students explore and learn about wolf behaviour as a member of the Yellowstone National Park pack. They will learn about the ancient peoples of Mesa Verde by going back in history to live and work alongside them.

Students become astronauts, scientists, reporters, archaeologists, and architects. They become both the builders and guides of parliamentary buildings, race chariots in the Circus Maximus, explore the interior of the Great Pyramid, or join the Magi as they travel to Bethlehem. This program stresses authentic, contextual, active learning. Students will be exposed to biblical truths, and be given the opportunity to express these in a safe and trusted environment.

HERITAGE CHRISTIAN  
**ONLINE SCHOOL**.CA  
"Quality Educational Choices with Christian Values"



# Navigate / NIDES

Developed 21<sup>st</sup> Century blended learning programs:

- The Fine Arts eCademy (K-9)
- The eCademy of New Technologies, Engineering & Robotics – ENTER (6-7) and ENTER 2 (8-9)
- Established a Secondary Leadership Program – iClass
- “The Matrix” (10-12) for full time senior secondary students as a program of choice
- Implemented full time Independent Learning Centres (ILCs) at all three secondary schools in the district

# Emerging Observations

1. Blended and online practices are blurring – it is more about learning within flexible structures
2. Transition from online to blended more difficult than from classroom to blended/online
3. Personalization and flexibility critical drivers in Canada – not competency-based as of yet
4. First Nations and Francophone more organized nationally across the country
5. Research focus on better data and exploring pockets of innovation



# Flexible Learning

## Blended and Online Learning Trends

*Emerging and Trending Shifts in Practices*



- Instruction & learning is both onsite and online
- Some element of choice in learning for students

# Your Questions and Comments



# Contact Information

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